Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/01/2016 10:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125272	0	2.22	125131	2.31
Blue	F	SSC	125000	124205	-1	4.35	125179	4.40
Blue	E	FITC	17224	16799	-3	3.21	945	9.16
Blue	D	PE	22462	21840	-3	2.84	980	8.25
Blue	B	PerCP-Cy5-5	63940	63069	-2	3.40	1674	13.11
Blue	A	PE-Cy7	72480	71149	-2	4.46	932	24.78
Red	C	APC	63778	63117	-2	2.51	3564	7.93
Red	A	APC-Cy7	97254	97319	0	2.64	1945	7.69
Violet	B	V450	10730	10522	-2	3.89	653	8.51
Violet	A	V500	42147	40720	-4	3.60	2303	6.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19713	3.31	585	-35	N/A	N/A	Pass
Blue	F	SSC	61788	3.28	509	-18	N/A	N/A	Pass
Blue	E	FITC	102	37.53	514	-25	0.0259	285	Pass
Blue	D	PE	202	25.66	509	-23	0.1898	209	Pass
Blue	B	PerCP-Cy5-5	205	40.35	597	-17	0.0116	64	Pass
Blue	A	PE-Cy7	70	101.59	650	-23	0.0152	20	Pass
Red	C	APC	334	25.63	578	-6	0.0222	12	Pass
Red	A	APC-Cy7	123	38.09	561	-4	0.0051	1125	Pass
Violet	B	V450	69	45.35	449	-25	0.0452	2233	Pass
Violet	A	V500	150	27.40	477	-26	0.0135	1393	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.01	-30.83	0.82
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.30
Red	17.83	12.80 - 19.20	N/A	N/A	31.37	31.50	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9534

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments